Notice of Allowability	Application No.	Applicant(s)	
	10/006,179	RAJASEKARAN ET AL.	
	Examiner	Art Unit	
	Fred I. Ehichioya	2162	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this) or other appropriate communica (IGHTS. This application is subje	application. If not included tion will be mailed in due course. T	'HIS nitiativ
1. This communication is responsive to <u>02/03/2005</u> .			
2. X The allowed claim(s) is/are 1, 2, 4 - 11, 16, 17, 19 - 26, 31	, 32, and 34 - 36 (renumbered 1 -	<u>· 25)</u> .	
3. \boxtimes The drawings filed on <u>04 December 2001</u> are accepted by	the Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority u a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN	e been received. e been received in Application No ocuments have been received in to of this communication to file a re	 his national stage application from	
 THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv)F
6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftsper 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1) each sheet. Replacement sheet(s) should be labeled as such in	son's Patent Drawing Review(P - 's Amendment / Comment or in th 1.84(c)) should be written on the dra	e Office action of awings in the front (not the back) of	
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date	6. ☐ Interview Summ Paper No./Mail 08), 7. ☐ Examiner's Ame	Date ndment/Comment ement of Reasons for Allowance	
		PRIMARY EXAMINER	

DETAILED ACTION

1. This communication is in response to the amendment filed on February 3, 2005. After a search and a thorough examination of the present application and in light of the prior art made of records, claims 1, 2, 4 – 11, 16, 17, 19 – 26, 31, 32, AND 34 – 36 (renumbered 1 – 25) are allowed.

Reason for Allowance

2. The prior art made of records does not teach or fairly suggest the combination of Elements as recited in each of Applicant's claims 1, 16 and 31.

More specifically, prior art of records does not teach or fairly suggest, "determining if a query element is included in a set of elements comprising one or more elements from a first domain having a character set of "m" characters, wherein "Z" is the maximum possible length of an element in the first domain and "Y" is the length of the longest element in the set of elements such that $1 \le Y \le Z$;

using the data structure to determine if the query element is included in the set of elements such that the number of comparisons needed to determine if the query element is included in the set of elements is proportional to a length of the query element and independent of the number of elements in the set of elements". The dependent claims, being definite, further limiting, and fully enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad Ali whose telephone number is (571) 272-4034. The examiner can normally be reached on Monday - Friday (8:00 am - 4:30 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Fred Ehichioya Examiner Art Unit 2162

April 15, 2005

SHAHID ALAM ORIMARY EXAMINER

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